
Home » Water Issues » Programs » Stormwater

Storm Water Program

NEW! 2011 DRAFT NPDES INDUSTRIAL GENERAL PERMIT

Notice of Public Hearing - Comment period closes on Monday, April 18, 2011 at Noon.

Notice is hereby given that the State Water Resources Control Board (State Water Board) will hold a public hearing to accept comments on the draft Industrial General Permit. A quorum of the Board may be present; however, no State Water Board action will be taken. The location and time of the hearing are provided below:

March 29, 2011 - 9:00 a.m.
Joe Serna Jr. – Cal/EPA Headquarters Building
Coastal Hearing Room 1001 I Street, Second Floor
Sacramento, CA 95814

2011 Draft NPDES Industrial General Permit Documents for Public Comment

Summary of Changes Document

Corrective Actions Schematic

Fact Sheet

Order

Attachment A – Facilities Covered

Attachment B – No Discharge Certification – Conditional Exclusion

Attachment C – No Exposure Certification - Conditional Exclusion

Attachment D - Storm Water Sample Collection and Handling Instructions

Attachment E – Storm Water Pollution Prevention Plan Checklist

Attachment F – 303(d) Listing Receiving Waters

Attachment G – TMDL Implementation

Attachment H – Sub Chapter N – Federal Requirements:

411 Cement Manufacturing Point Source Category

412 Concentrated Animal Feeding Operations (CAFO) Point Source Category

418 Fertilizer Manufacturing Point Source Category

419 Petroleum Refining Point Source Category

422 Phosphate Manufacturing Point Source Category

423 Steam Electric Power Generating Point Source Category

434 Coal Mining Point Source Category

436 Mineral Mining and Processing Point Source Category

440 Ore Mining And Dressing Point Source Category

443 Effluent Limitations Guidelines for Existing Sources and Standards of Performance and Pretreatment Standards for New Sources for the Paving and Roofing Materials (Tars And Asphalt) Point Source Category

445 Landfills Point Source Category

Attachment I – Hardness Determination

Attachment J - Acronyms

Attachment K - Glossary

Notice of Informal Staff Workshops

Space is limited at both workshop venues, however, the Cal/EPA (2/14) workshop will be broadcast on the internet and we encourage people to listen in that way.

Northern California Workshop

Monday 2/14/2011

9:00am - Noon

Cal/EPA Building - Coastal Hearing Room

1001 I Street

Sacramento, CA 95814

Venue: Capacity 140 people

Cal/EPA webcast information

IGP Workshop Presentation

Southern California Workshop

Wednesday 2/23/2011

10am - 2:00pm (1 hour lunch)

Irvine City Council Chambers

1 Civic Center Plaza

Irvine, CA 92606-5208

Venue: Capacity 200 people

IGP Workshop Presentation

New! Notice of an Additional Informal Staff Workshop

2011 Draft Industrial General Permit WebEx only


March 15, 2011 from 9 a.m. to Noon


The call-in line is limited to 200 participants. You MUST register, using the link below to call-in

Registration Link: [https://waterboards.webex.com/waterboards/onstage/g.php?](https://waterboards.webex.com/waterboards/onstage/g.php?d=740958141&t=a)

[d=740958141&t=a](https://waterboards.webex.com/waterboards/onstage/g.php?d=740958141&t=a)

Once registered, login/password and meeting information will be emailed to the participant

(Updated 3/2/11) 

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Linda S. Adams
Acting Secretary for
Environmental Protection

State Water Resources Control Board

Executive Office

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1001 I Street • Sacramento, California 95814 • (916) 341-5603
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
Fax (916) 341-5621 • <http://www.waterboards.ca.gov>



Edmund G. Brown Jr.
Governor

NOTICE OF PUBLIC HEARING

DRAFT STATEWIDE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THE DISCHARGE OF STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES (INDUSTRIAL GENERAL PERMIT)

NOTICE IS HEREBY GIVEN THAT the State Water Resources Control Board (State Water Board) will hold a public hearing to accept comments on the draft Industrial General Permit. A quorum of the Board may be present; however, no State Water Board action will be taken. The location and time of the hearing are provided below.

March 29, 2011 – 9:00 a.m.
Joe Serna Jr./Cal-EPA Headquarters Building
Coastal Hearing Room
1001 I Street, 2nd Floor
Sacramento, CA 95814

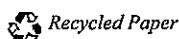
BACKGROUND

On April 17, 1997, the State Water Board adopted the Industrial General Permit ([Water Quality Order 97-03-DWQ](#)) for regulation of storm water discharges associated with industrial activity. Water Quality Order 97-03-DWQ has expired but remains in effect until a new General Permit is adopted.

Staff of the State Water Board initiated an effort to reissue the Industrial General Permit in 2003 that continued into 2005. Concerns raised at that time regarding the role of numeric effluent limitations in storm water permits halted this effort.

On June 19, 2006, a panel of storm water experts (Panel) submitted a report to the State Water Board titled: "The Feasibility of Numeric Effluent Limits Applicable to Discharges of Storm Water Associated with Municipal, Industrial and Construction Activities." The Panel's final report is posted on the State Water Board Web site at http://www.waterboards.ca.gov/water_issues/programs/stormwater/numeric.shtml. The State Water Board has considered the report's conclusions and recommendations in the preparation of this draft Industrial General Permit. In addition, staff has considered comments that were raised during 2003 and 2005 in preparing the draft Industrial General Permit. The draft Industrial General Permit is currently not in its complete form.

California Environmental Protection Agency



When the final substantive changes are made, it will be recirculated to the public for review and another public hearing will be held.

DOCUMENT AVAILABILITY

The draft Industrial General Permit and the existing Industrial General Permit are available to view or download on the Storm Water Web site:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/industrial.shtml

REQUESTS FOR DOCUMENTS, COMMENTS, AND OTHER INFORMATION

The State Water Board is interested in receiving comments regarding all aspects of the draft Industrial General Permit. Oral comments can be made during the public hearing. Comments on the draft Industrial General Permit may also be submitted in writing. Written comments must be received by **12:00 noon on Monday, April 18, 2011** and addressed to:

Jeanine Townsend
Clerk to the Board
State Water Resources Control Board
1001 I Street, 24th Floor
Sacramento, CA 95814

Comment letters may be submitted to the Clerk to the Board via email at commentletters@waterboards.ca.gov (if less than 15 megabytes in total size) or by fax at (916) 341-5620.

Please indicate in the subject line: **“Comment Letter – Draft Industrial General Permit”**.

For information regarding future public notices or status of the Industrial General Permit, please sign up for the “Storm Water Industrial Permitting Issues” electronic mailing lists at the State Water Board’s Lyris List Web site:

http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml.

PARKING AND ACCESSIBILITY

A parking garage is located across from the Cal-EPA building with entrances on 10th and 11th Streets between “I” and “J” Streets. Metered parking spaces are also available in the vicinity of the building. For a map, refer to the State Water Board Web site: <http://www.calepa.ca.gov/epabldg/location.htm>

Please note: All visitors to the Cal/EPA Building are required to sign in and receive a badge at the Visitor Services Center located inside the main entrance (10th Street entrance). Valid picture identification may be required due to the security level. Please allow up to 15 minutes for receiving clearance before proceeding to the Coastal Hearing Room on the 2nd floor.

The Cal/EPA Building is accessible to persons with disabilities. Individuals who require special accommodations are requested to call (916) 341-5880 at least 5 working days prior to the meeting date. Persons with hearing or speech impairments can contact us by using the California Relay Service Telecommunications Device for the Deaf (TDD). TDD is reachable only from phones equipped with a TDD Device.
HEARING IMPAIRED RELAY SERVICE: TDD to voice 1 800-735-2929; voice to TDD 1-800-735-2922.

Questions regarding the draft Industrial General Permit should be directed to Leo Cosentini at (916) 341-5524 or email at lcosentini@waterboards.ca.gov or Laurel Warddrip at (916) 341-5531 or email at lwarddrip@waterboards.ca.gov.

January 28, 2011

Date

Jeanine Townsend

Jeanine Townsend
Clerk to the Board



Industrial General Permit Overview

State Water Resources Control Board
Division of Water Quality
Industrial/Construction Storm Water Unit

Goals

Data Quality

Performance Based

Incentives and Flexibility



Activities Covered

Facilities subject to 40 CFR Subchapter N

- Manufacturing Facilities: SICs 20XX through 39XX, 4221 through 4225
- Oil and Gas/Mining Facilities: SICs 10XX through 14XX
- Hazardous Waste Treatment, Storage or Disposal Facilities, including Subtitle C



Activities Covered (Cont)

- Landfills, Land Application Sites and Open Dumps
- Recycling Facilities SICs 5015 and 5093
- Steam Electric Power Generating Facilities
- Transportation Facilities SICs 40XX through 45XX (except 4221-25) and 5171
- Sewage or Wastewater Treatment Works



Industrial Permit Timeline

- 1991 - (modified in 1992) first IGP Order
- April 1997 - Order 97-03-DWQ (Previous permit) Adopted
- 2003-2005 - Prior draft IGPs
- Winter 2011 - Preliminary draft IGP
- Fall 2011 - Revised Tentative draft IGP
- Winter 2011 - 2012? Adoption (depends on future hearings schedule)



2005 Draft

1. SWPPP Checklist
2. Pollutant Source Inspections
3. Minimum BMPs
4. BMP Descriptions
5. Ineligible Storm Events

2005 Draft (cont)

6. Pre-Storm Observations
7. Containment Observations
8. Sampling Parameter Selection
9. Field Measurements
10. Storm Water Sample Collection and Handling Instructions

Current Draft

11. Electronic Filing Requirements
12. Numeric Action Levels & Numeric Effluent Limitations*
13. Certification and Training Requirements (QSD/QSP)*
14. Corrective Actions*
15. Qualified Storm Event
16. Sampling Frequency Requirements
17. Daily Average
18. Qualified Combined Samples

Current Draft (Cont)


19. Compliance Storm Event
20. Requirements for Facilities with Significant Land Disturbances
21. Conditional Exclusion - No Exposure*
22. Conditional Exclusion - No Discharge Certification*
23. Conditional Exclusion - Green Storm Water Impact Reduction Technology (G-SIRT)*
24. Other Monitoring Revisions

IGP - Proposed Changes (2005 Draft)

1. SWPPP Checklist

Upon completion of the SWPPP the discharger shall prepare this checklist.

Checklist includes information on:

- Facility details
 - Site map
 - Industrial materials
 - Industrial pollutants
 - BMPs
- 

2. Ineligible Storm Events

Dischargers shall record monthly:

A. Any storm event greater than or equal to $\frac{1}{4}$ " which did not result in a discharge.

And/or

B. Any non qualified storm event (less than $\frac{1}{4}$ ").

3. Minimum BMPs

Dischargers shall implement the specific requirements/BMPs found in the following categories:

- Good Housekeeping
- Preventative Maintenance
- Spill Response Procedures
- Material Handling/Waste Management
- Employee Training
- Record Keeping & Quality Assurance
- Erosion & Sediment Controls
- Periodic Visual Inspections
- Site-Specific BMPs

4. BMP Descriptions

The discharger's SWPPP shall include a narrative description of each implemented BMP, which includes:

- Type of pollutant the BMP is designed to prevent
- Implementation frequency
- Location of the BMP
- Identification of who responsible for implementing the BMP
- Implementation instructions for the BMP
- Equipment and/or tools needed to implement the BMP

5. Pre-Storm Inspections

Dischargers shall visually observe/inspect (during operating hours) all drainage areas before an anticipated rain event.

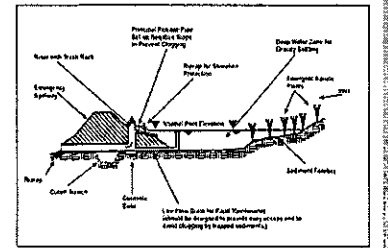
Dischargers are responsible for identifying and correcting any:

- Spills
- Leaks
- Uncontrolled pollutant sources

6. Containment Inspections

Dischargers shall visually observe any storm water storage/containment areas for leaks and maintain an adequate freeboard.

Observation shall be conducted at least monthly.



7. Pollutant Source Inspections

Dischargers Shall:

- One visual inspection of industrial areas and pollutant sources each quarter (3 + ACFCE).
- Implement any corrective actions/SWPPP revisions needed.
- Inspection summary/status of corrective actions & SWPPP revisions.
- BMP implementation procedures and equipment.



8. Sampling Parameters Selection

Dischargers shall analyze samples for parameters indicating presence of pollutants:

- Identified through assessments in the SWPPP.
- That may be causing/contributing to an exceedance in water quality standards of the facility receiving water (ex: 303(d)).

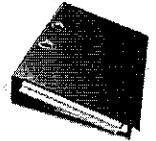
9. Field Measurements

Dischargers shall measure pH and Electrical Conductivity in the field using a calibrated metering device.

10. Storm Water Sample Collection & Handling Instructions

Dischargers shall follow the sampling protocols outlined in Attachment D, which includes:

- Sampling materials to request from laboratory
- Transportation to laboratory
- Taking the sample
- Sample labeling and documentation
- Designating trained personnel



IGP – Proposed Changes (2011 Draft)

11. Electronic Filing Requirements

All dischargers are required to file the following electronically into SMARTS:

Permit Registration Documents (PRDs):

Notice of Intent (NOI), Site Map, SWPPP, Signed Certification Statement, Annual Fee.

- Electronically Filed by Legally Responsible Person (LRP), who represents owner/operator.



11. Electronic Filing Requirements (Cont)

All dischargers are required to file the following electronically into SMARTS:

Notice of Terminations (NOTs)

Annual Report

Within 30 days of receiving results dischargers shall submit:

- Analytical results from lab
- Field measurements of pH and Electrical Conductivity
- Hardness value of receiving waters (if subject under Section XV)

12. Numeric Action Levels (NALs)*

- USEPA benchmarks are Numeric Action Levels
- NALs can be exceeded in accordance with corrective action triggers
- NALs exceeded repeatedly, discharger may be subject to NELS

12. Numeric Effluent Limits (NELs)*

- NELs - same values as NALs, unless RWQCB imposes a stricter (water quality based) value.
- NELs not intended to apply to pollutants not generated by industrial activities, for example emergency response, run-on or atmospheric deposition.
- NELs are Subject to Mandatory Minimum Penalties (MMPs).
- Dischargers can electronically submit a Suspension of Numeric Effluent Limitations (SNEL).

13. Certification and Training Requirements*

Dischargers shall appoint A Qualified SWPPP Developer (QSD) and a Qualified SWPPP Practitioner (QSP).

The discharger is responsible for the QSD and QSP receiving training and taking the Statewide required training courses.

The discharger is responsible for documenting the training the QSD and QSP received in the annual report.

13. Certification and Training Requirements (Cont)*

A Qualified SWPPP Developer (QSD):

- Writes and amends the SWPPP
 - Shall be one of the following:
 - A California registered professional civil engineer
 - A California registered professional geologist or engineering geologist
 - A California registered landscape architect
 - A professional hydrologist registered through the American Institute of Hydrology
- Must take the State Water Board approved QSD training course, within one year of the effective date of this General Permit.

13. Certification and Training Requirements (Cont)*

A Qualified SWPPP Practitioner (QSP):

Is facility personnel (no prerequisites).

Implements the SWPPP's BMPs and monitoring requirements.

Completes the State Water Board-sponsored or approved QSP training course within one year from the effective date of this General Permit.

14. Corrective Actions Process*

14. Baseline Compliance

- Narrative Effluent Standards
- Numeric Action Levels
- Minimum BMPs
- Inspection, Maintenance & Repair
- Visual Monitoring
- Sample 1 qualified storm event per quarter

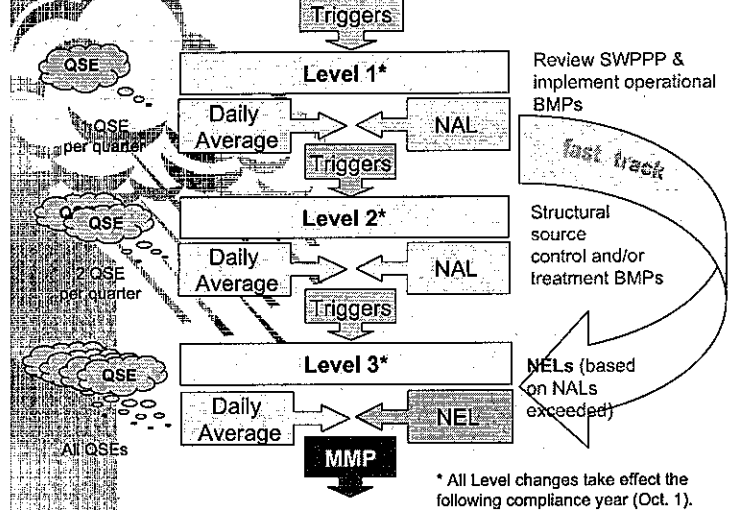


14. Triggers

1. Daily Average exceeds 2.5 the NAL values
2. Daily Average exceeds any two NALs in one qualifying storm
3. Daily Average exceeds the same NAL in any two qualifying storms per reporting year

Trigger

14. Corrective Actions



Sampling & Monitoring Requirements

15. Qualified Storm Event

1/8" or more of rainfall

Preceded by two days dry weather (storm event < 1/8" rainfall)

16. Sampling Frequency (Baseline, Levels 1, 2, 3)

17. Daily Average

Other Sampling & Monitoring

18. Qualified Combined Samples

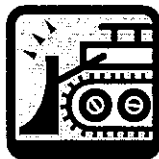
- Samples from up to four drainage areas
- Equal volumes of samples
- Samples combined in laboratory

19. Compliance Storm Event - 10 year, 24 hour for TSS and treatment BMPs

20. Facilities with Significant Land Disturbance

Facilities in the following categories:

- Mining and Quarrying Category
- Metal Mining Category
- Landfills, Land Application Sites
- Open Dumps



Shall collect samples on all days of an eligible storm event

Conditional Exclusions

21. No Exposure Certification (NEC) - all pollutant sources must be evaluated and determined as having no exposure

22. No Discharge Certification (NDC) 100 year 24 hour storm, requires California registered PE

23. Green Storm Water Impact Reduction Technology (G-SIRT)

24. Other Monitoring Revisions

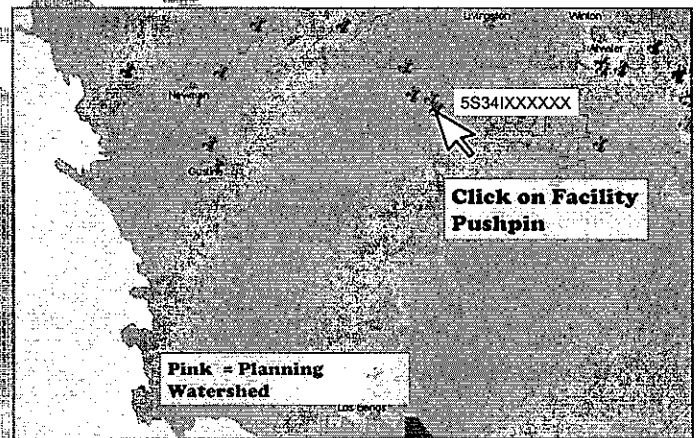
- Replaced with a performance based model where each facility is responsible for their site specific sampling demonstrating permit compliance.
- Each discharger receives assistance, not just facilities with like activities like Group Monitoring option.
- 97-03 Watershed Monitoring Option – not proposed in this draft since not a performance based option.
- 2005 Draft pollutant scan model – in favor of facilities sampling based on a sites specific receiving water characteristics.

Database, Electronic Tools, and Submittals

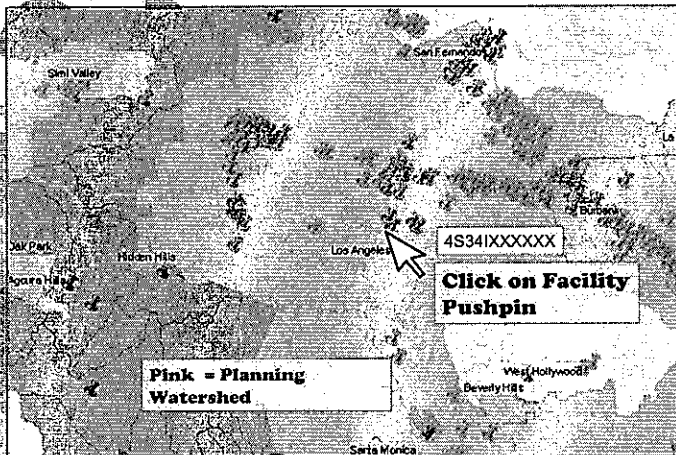
Facility Locator



Less Urbanized



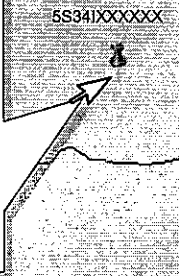
Urbanized



Selection of Additional Analytical Constituents Based Upon Receiving Water Identification

Display Generated on facilities receiving water information

WDID 5S34IXXXXXX, Alloy Inc		
Lat: 32.123456		Long: 121.123456
Receiving Water		
Name	Impairments	Possible Analytical Constituents
ABC Creek	Aluminum, Iron	Al, Fe
123 Creek	None	None
Minus River	pH, Sediment	pH, TSS



Specific Electronic Submittals

Dischargers shall file electronically into SMARTS for the following:

- Discharge Violations
- Additional Sampling Exemption Request (ASER)
- Sampling Frequency Reduction Request (SFR)
- BMP Implementation Extension Request (BIER)
- Suspension of Numeric Effluent Limitations (SNEL)
- No Exposure Certification (NEC)
- No Discharge Certification (NDC)
- Green Stom Water Impact Reduction Technology (G-SIRT)

Contacts

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 ggearheart@waterboards.ca.gov
 916-341-5892

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 916-341-5524

Laurel Wardrip – Industrial Permit Staff
 lwardrip@waterboards.ca.gov
 916-341-5531

Questions?



Comments?

